

No. 627,846.

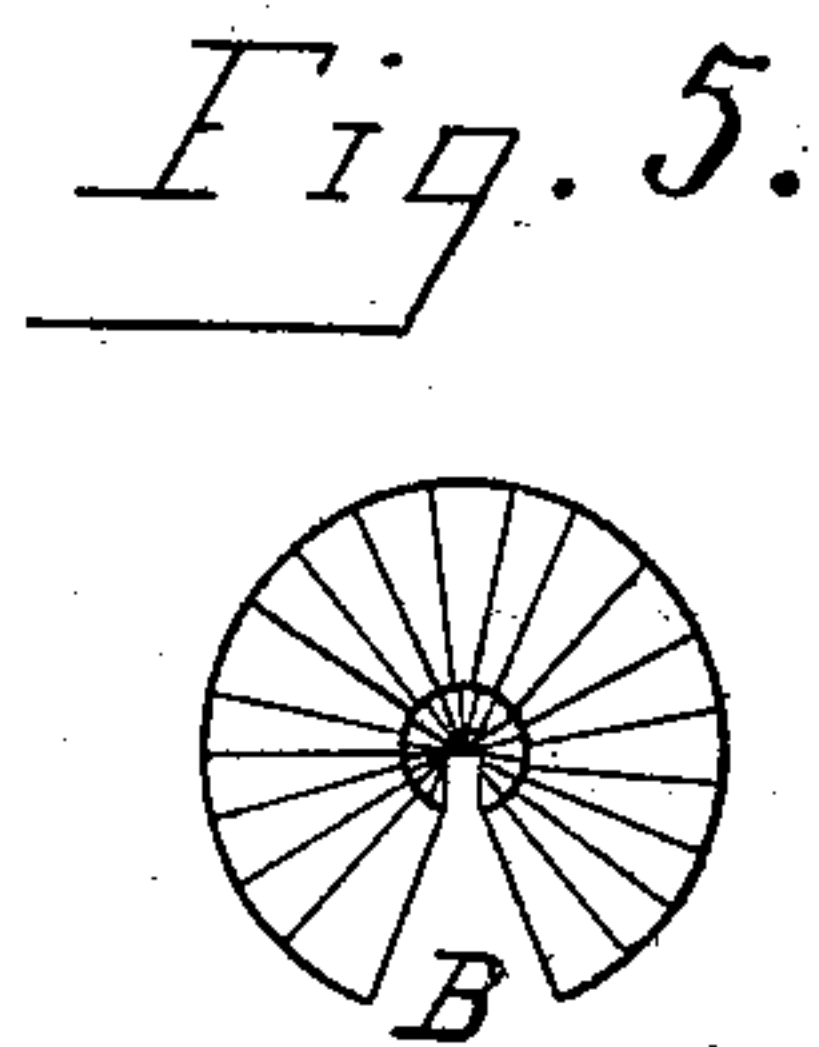
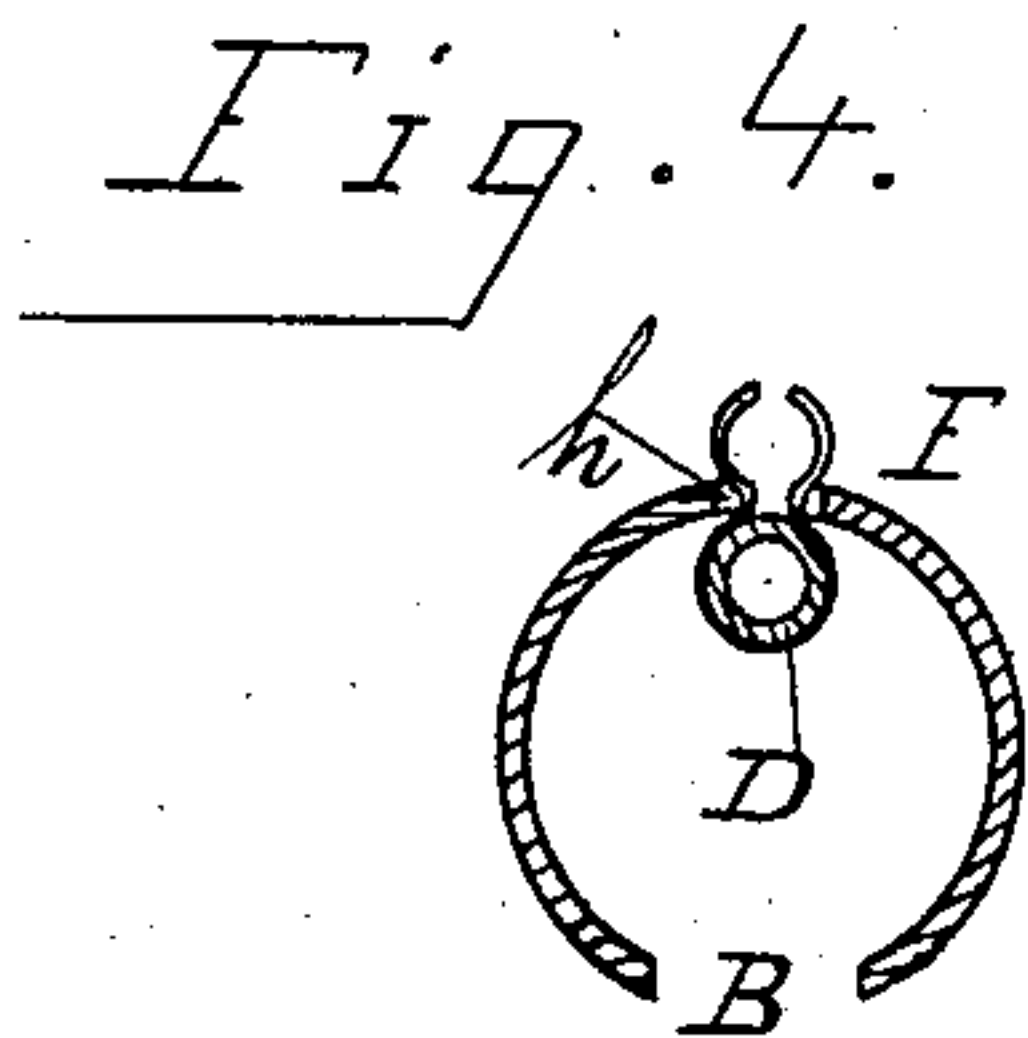
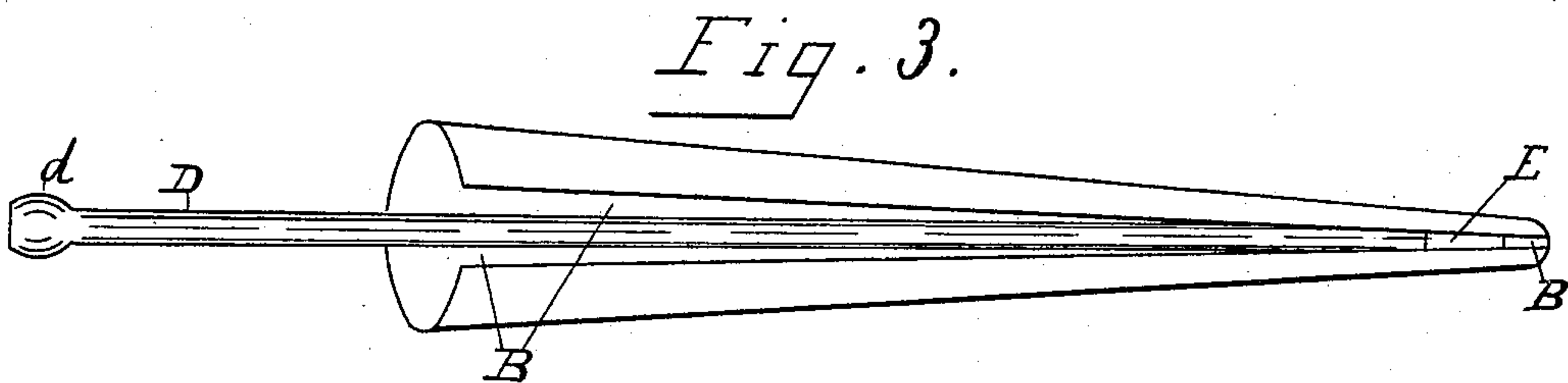
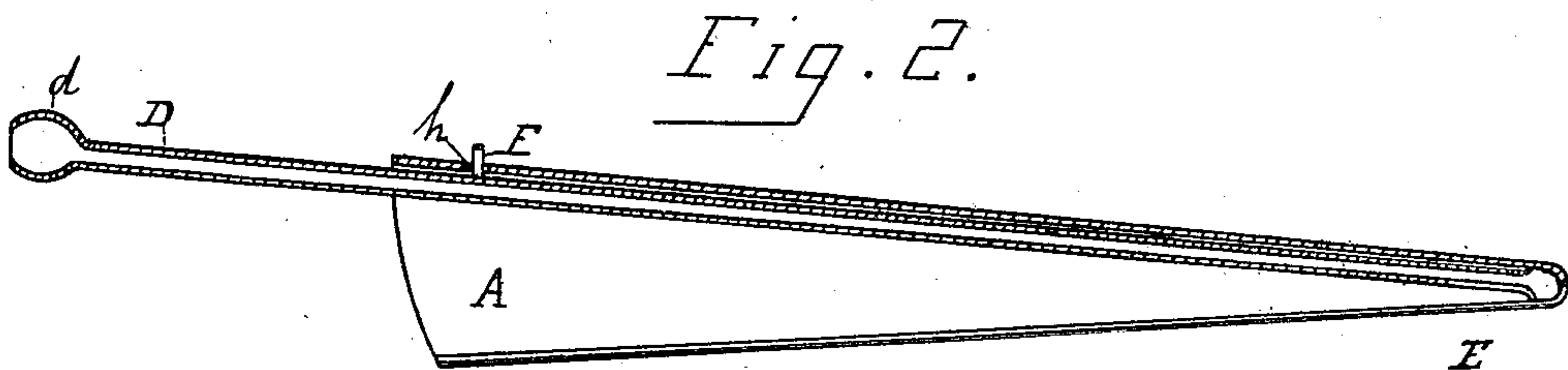
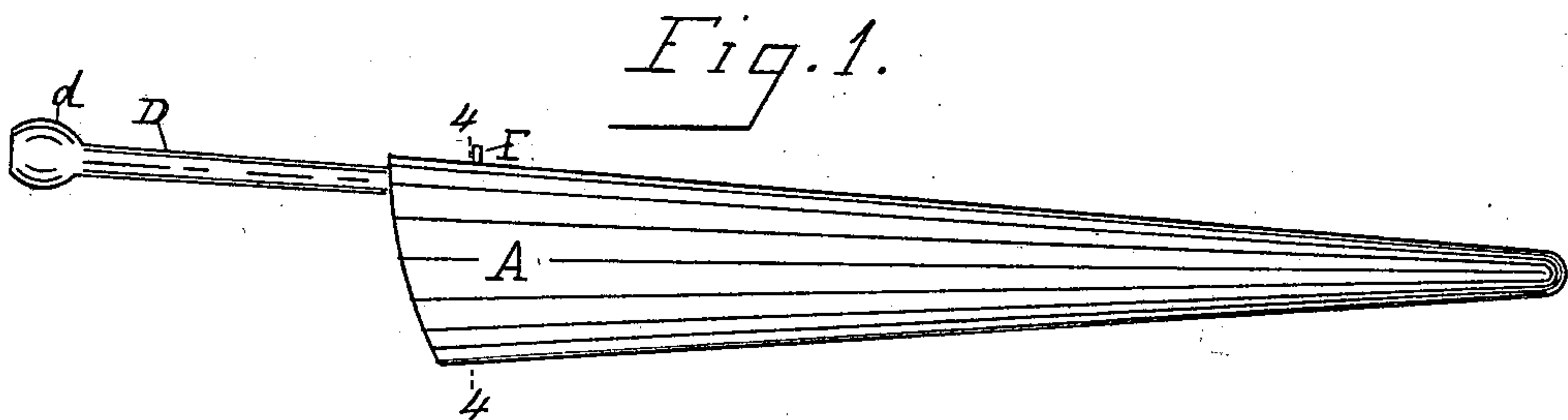
Patented June 27, 1899.

W. A. DUNTON.

IRRIGATOR.

(Application filed Feb. 20, 1899.)

(No Model.)



Witnesses  
M. McGinnis  
J. B. des Granges.

Inventor  
Wallace A. Dunton  
By Hazard & Harpham  
Attorneys

# UNITED STATES PATENT OFFICE.

WALLACE A. DUNTON, OF LOS ANGELES, CALIFORNIA.

## IRRIGATOR.

SPECIFICATION forming part of Letters Patent No. 627,846, dated June 27, 1899.

Application filed February 20, 1899. Serial No. 706,273. (No model.)

*To all whom it may concern:*

Be it known that I, WALLACE A. DUNTON, a citizen of the United States, residing in the city of and county of Los Angeles, State of California, have invented a new and useful Intra-Uterine Irrigator, of which the following is a specification.

My invention relates to improvements in irrigators designed to be used in cleaning the interior of the uterus; and the objects of my improvement are, first, to provide an irrigator that may be used without a speculum; second, to provide an irrigator that will not clog in the use thereof and which furnishes a free flow for the detritus out of the uterus in shorter time than is possible with any other irrigator; third, to provide an irrigator that will aid in disengaging from the walls of the uterus any effete or injurious matter, such as pieces of the placenta, blood-clots, &c., and, fourth, to provide an irrigator that may be easily inserted in and removed from the uterus and which may be easily cleaned. I attain these objects by the mechanism described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my irrigator. Fig. 2 is a longitudinal section of my irrigator. Fig. 3 is an elevation of that part of the irrigator showing specially the slit in the outer shell. Fig. 4 is a cross-section on the line 4 4 of Fig. 1, and Fig. 5 is an end view of my irrigator from the pointed end thereof.

A is the shell or body portion of the irrigator, conical in shape, with a longitudinal slit B therein extending from end to end, as shown in Fig. 3. The irrigator is made conical that it may be easily inserted into the uterus, and being open at the large end the light is permitted to enter, lighting up the interior of the irrigator and that portion of the uterus projecting into and along the slit B, thereby affording ready access to the interior of the uterus for treatment.

Removably affixed within the shell A is the supply-tube D for conveying water from any convenient supply to the discharge end of the tube for washing out the uterus. This tube is located as far in the shell A as the opening in the shell will permit—that is, until the outer edges of the end engage with the inner walls

of the shell A. It is held firmly in this position by the spring-catch F. The tube D is removably affixed, that it may be readily removed for cleaning.

In the inner end of the tube D and running thence along the side next to the slit B and registering therewith is a longitudinal slot E, through which the water to clean the uterus passes.

The outflow-passage gradually increases in size, thereby affording less obstruction to the outflow, and should any clotted blood or pieces of placenta lodge therein it is only necessary to gently move the instrument forward and back in the uterus and the obstructing detritus coming in contact with the walls of the uterus through the slit in the shell is dislodged and passes out.

My instrument is easily rotated while in the uterus, and its conical shape enables the operator through the slit in the side thereof to inspect all parts of the uterus. Should there be any small pieces of the placenta or other removable matter clinging to the walls of the uterus, the rotation of my irrigator has a tendency to cause the same to be detached therefrom. With curved irrigators such as are now in common use this cannot be done, as the curvature is too great to permit of their rotation in the uterus.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An intra-uterine irrigator comprising a conical shell terminating in an inner rounded point and having a slit extending from the inner rounded point to the rear or open end; a water-supply tube attached to and within said shell, the outer end thereof provided with means for attachment to a water-supply, the inner end terminating near the point of the outer shell and having a longitudinal discharge-slot registering with the slit B, substantially as described.

2. An intra-uterine irrigator comprising a conical shell terminating in a rounded point with a longitudinal slit therein terminating at the rounded point; a water-supply tube attached to and within such shell, and terminating near the point thereof, and having a bulb, as *d*, for connecting with a water-sup-



ply; and having a longitudinal slot in the inner end, as and for the purposes shown and described.

3. The herein-described intra-uterine irrigator comprising the conical shell A, having longitudinal slit B; water-supply tube D within and attached to shell A, having bulb *d* at its outer end for connection with a water-supply; and slot E in the inner end thereof and arranged to register with slit B in shell A; the

spring-catch F for holding the supply-tube in place in said shell, substantially as and for the purpose shown and described.

In witness that I claim the foregoing I have hereunto subscribed my name, this 14th day 15 of February, 1899, at Los Angeles, California.

WALLACE A. DUNTON.

Witnesses:

G. E. HARPHAM,  
M. MCGINNIS.